

**PASCO SANITARY LANDFILL  
AND THE  
NATIONAL PRIORITIES LIST  
UPDATE NO. 7**

AUGUST 1988

submitted to

**STEPHEN A. LINGLE  
HAZARDOUS SITE EVALUATION DIVISION  
OFFICE OF EMERGENCY & REMEDIAL RESPONSE  
U. S. ENVIRONMENTAL PROTECTION AGENCY  
401 M STREET SW  
WASHINGTON D. C. 20460**

prepared by

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1776 FOWLER  
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USEPA SF



1371148

August 2, 1988

Stephen A. Lingle, Director  
Hazardous Site Evaluation Division  
(ATTN: NPL Staff)  
Office of Emergency and Remedial Response  
(WH-548A)  
US Environmental Protection Agency  
401 M Street SW  
Washington, D.C. 20460

Subject: **Pasco Sanitary Landfill's Inclusion  
on the National Priorities List (NPL)  
for Uncontrolled Hazardous Waste Sites**

Dear Mr. Lingle:

We have received the support information and HRS documentation for this site per Mr. David Bennett, EPA Region X. Our review shows the Uncontrolled Hazardous Waste Site Ranking System (HRS) HW-10 and the background information used by EPA do not accurately reflect the population served by groundwater water near this site. Actual contact of residents within a 3 mile radius of the site shows the population served is only 724 as opposed to the HRS estimate of 15,868. This limited usage reduces the Pasco Sanitary Landfill score to 26.31 as opposed to the HRS package score of 44.46. The revised score is low enough that this site should not be included on the NPL because the score is less than the 28.5 cutoff. A more detailed presentation of our background information influencing the HRS score is provided in this writing.

#### **Population Served - Drinking Water**

The EPA generated HRS scoring package is provided as Attachment 1. Sheet 4A of attachment 1 lists drinking water wells within a 3 mile radius of the site. This sheet was used as a basis for contacting all drinking water users indicated as having more than 3.8 persons per well. We developed a data sheet for recording the information obtained in these contacts. The drinking water data sheets are provided as attachment 2. Each sheet shows the number of permanent residents served by the well. A distinction is made between the actual

drinking water use and the EPA estimated total. The section number where the well is located is indicated in the upper left hand corner. The number in the left hand corner corresponds to the EPA drinking water list in item 4a of the HRS documents. Signatures were obtained to verify the information as deemed necessary. The actual population served (260) vs. the HRS estimated population (1048) served is provided in Table 1.

Table 1

Comparison of Actual EPA Estimated Drinking Water Populations

Drinking Water Wells

<u>Well No.</u>	<u>Name</u>	<u>Population Served</u>	
		<u>Actual</u>	<u>EPA</u>
1	Washington Idaho Laborers	3.8	3.8
2	Paul Savage	3.8	3.8
3	Al Yenney	3.8	3.8
4	Tom Kidwell	3.8	3.8
5	Van Wormer	3.8	3.8
6	Lakeview Mobile Home Park	83.6	800.0
7	Rada & Sons	15.0	16.0
8			
9	Aztlan Construction Inc.	5.0	20.0
10	BPA - Franklin	16.0	16.0
11	Bonnie Brae Trailer Court	57.0	65.0
12	De Vries Water System	12.0	12.0
13	Palmarez	3.8	3.8
14	Marquez	3.8	3.8
15	Johnson & Boxbaum	3.8	3.8
16	Bumgarner	3.8	3.8
17	Dall	3.8	3.8
18	Cunningham	3.8	3.8
19	Rasmussen	3.8	3.8
20	Western Farm Services	4.0	24.0
21	Frontier Machinery	22.0	50.0
		-----	-----
		260.2	1048.6

**Population Served - Irrigation Water**

Water usage information sheets regarding irrigation well contacts are all provided as Attachment 3. Similar to the drinking water methodology, signatures were obtained to verify the information as needed.

Each irrigation well was assigned a number, 1-67. These numbers appear on the stickers on the Ground Water Usage Information sheets. Each irrigation well was provided with a number because there were a number of owners who owned more than one parcel of land and more than one irrigation well, the list was categorized by owner. The actual number of people using the ground water is listed on the right hand side of Table 2 in the columns labeled "actual" versus "EPA". On this irrigation list, there are actually 464 people using ground water in the 3-mile circle as opposed to the EPA estimated 14,820.

Table 2

Actual Population Served as Drinking Water vs. HRS Estimated

Population Served

Irrigation Wells

<u>Name/Well No.</u>	<u>Acres</u>	<u>Population Served</u>	
		<u>Actual</u>	<u>EPA</u>
Burlington Northern			
1	520		
2	130		
4	520		
5	520		
6	300		
10	137		
11	160		
12	400		
13	315		
14	107		
15	300		
16	200		
17 (Sullivan)	20		
18	107		
19	300		
20	300		
40	40		
43	480		
	130		
	---		
		3.8	7,029.0
Columbia East/Tippett			
9	268		
32	160		
42	130		



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50	268		
64	495		
	---		
		7.6	1,981.5
Harold Cox			
3 (Conn. Mut. Life Ins.)	145		
33 (Conn. Mut. Life Ins.)	160		
34 (Worsham)	157		
35	157		
36	5		
37 (Conn. Mut. Life Ins.)	130		
38 (Conn. Mut. Life Ins.)	155		
39 (Worsham)	157		
	---		
		2.0	1,599.0
Jack Alderson			
21	150		
22 (Columbia East)	500		
23 (Burlington Northern)	315		
24 (Burlington Northern)	40		
25 (Burlington Northern)	75		
	---		
		10.0	1,620.0
7 Middleton	142		
8 Middleton	20		
	---		
		6	243
26 Lakeview Mobl. Hm. Pk.(Hill)	15		
66 Lakeview Mobl. Hm. Pk.(Hill)	20		
	---		
		83.6	52.5
27 USCE	10		
67 USCE	100		
	---		
		5.0	165
28 Standard Oil	.75	-0-	1.125
29 E. Blasdel (Minnahan)	40		
30 E. Blasdel (Con. Mut.)	137		
	---		
		-0-	265.5
31 K. Ashley Trust (Tippett)	135	-0-	202.5
41 WA St. DNR (leased by C.Cox)	520	2	780
44 City of Pasco (Sea. Hardware)	4		
45 City of Pasco	15		
46 City of Pasco	10		
	---		
		-0-	43.5

45	Close	1	1.5	1.5
46	Modd	2	3.0	3.0
47	Fanning	7	10.5	10.5
48	Liberty Ag (Frontier Mach.)	12.5	22.0	18.75
51	Pasco San. Landfl (Dietrich)	38.0	6.0	57.0
52	Pasco San. Landfl (Tomlinson)	345.0	-0-	517.5
53	Palomarez	26.0	3.8	39.0
54	Burden	20	-0-	30.0
55	Franklin Co. ID (E/WA ID)	5	-0-	7.5
56	Spooner (Hommes Hideaway)	1	15.0	1.5
57	Reisenger	2		
58	Reisenger	6.5		
		-----		
			9.0	12.75
59	Mann	10.0	-0-	15.0
60	Johnson	5.5	7.0	8.25
61	Lourdes	.5	-0-	.75
63	Port of Pasco	3.0	266.0	4.50
65	Story	73.0	-0-	109.5
		-----	-----	-----
		9,879.75	463.8	14,819.625

#### **Total Population Served by Groundwater**

The total number of people actually using the ground water within the three mile circle is 724 as opposed to the EPA HRS estimate of 15,868. This total is shown in Table 3.

Table 3: Actual Population Usage vs. HRS Estimate

<u>Well Type</u>	<u>Population Served Actual Usage</u>	<u>Population Served EPA Estimate</u>
Drinking wells	64	1,048
Irrigation wells	660	14,820
	-----	-----
	724	15,868

#### **Problems with Background Information and HRS System**

Clearly, the background information used and the HRS system did not accurately, or even grossly, approximate the ground water usage at this site. The reason the HRS grossly overestimated the actual number of people using the ground water are listed below:

- o The 1.5 person per irrigated acre does not apply to large, center pivot irrigation circles common to this area. (See pg. 27

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of Uncontrolled Hazardous Waste Site Ranking Users Manual,  
HW-10)

- o Owners overestimate acreage when applying for water right permits (Ref. 9 in the Bennett EPA letter). The water right permit acreages were used by EPA to determine the number of irrigated acres.
- o Owners overestimate the number of users on their domestic water supply wells (Ref. 8 in the Bennett EPA letter). Domestic water permit applications were used by EPA to determine drinking water users.
- o Some owners appeared on both lists, so their numbers were duplicated.

With a population of less than 1000 persons using the groundwater the HRS score is changed significantly. The target score [5] becomes 29 (from HRS Manual pgs. 24-27) because the distance to the nearest well is still less than <2000 feet, assigned value 4 and the population served is 100 -1000 assigned value 2 for a matrix score of 20. Then  $9+20 = 29$ . The overall score then becomes:

$$\text{HRS Score} = ( [1] \times [4] \times [5] ) / 57,330 \times 100$$

$$\text{HRS Score} = \frac{(45 \times 20 \times 29)}{57,330} \times 100 = 26.31$$

#### **Visual Presentation of Potentially Impacted Water Users**

An evaluation of those water users with any potential for being impacted near the Pasco Sanitary Landfill is illustrated in the aerial photo provided in the pocket of this report. The aerial photo is entitled Pasco Sanitary Landfill and Vicinity. This photo shows the Pasco Sanitary Landfill at the center of the circle with the point of release from the old Resource Recovery Industrial Disposal Site A indicated at the triangular clear area near the western edge of the landfill. This specific disposal location is the only place within the landfill boundary where the solvents were detected. The irrigation well numbers correspond to the list of irrigation wells (attachment 3). Drinking water wells are indicated by small squares with circles and numbers inserted within each of these small squares. These drinking water designations correspond to the list of drinking water wells provided in attachment 2. Accurate groundwater contours have been developed close to the site using on site monitoring wells and offsite groundwater wells. These contours are presented at two foot

intervals. Groundwater contours further away from the site are provided at 10 foot intervals and were determined by Bureau of Reclamation water level measurements. The groundwater contours are indicated by the solid lines with the elevation inscribed in the lines. For example, in the northeastern portion of the three-mile radius groundwater is at an elevation of 390 feet. It drops down 40 feet to about 350 near the point of release and continues to drop in elevation as the water moves in a southwesterly direction. In order for a well to be impacted it would have to be at a lower elevation than the groundwater at the location where the release has occurred. The groundwater at the point of release is at the approximate elevation of 349 feet. The photo shows the vast majority (28) of the circles are located above the 350 foot contour line. All of these circles accounted for at least 140 persons in the population served estimate when a release could not possibly impact these wells. Groundwater flow is generally perpendicular to groundwater contour lines and arrows have been added to the drawing to indicate the exact direction of flow. Those arrows which are not dark but are white in the middle indicate the projected path of any release from the resource recovery industrial disposal site which is the subject of this report. As indicated by these white arrows, there is one irrigated circle which would be subject to a release from this location. The well for this circle is indicated by irrigation well #9.

As can be seen from the aerial photograph, the direction of groundwater movement from this facility would soon pass under the Pasco Water District boundary which is indicated by a dotted line. This entire area is served by the City of Pasco water system. This water is obtained from the Columbia River and distributed to each of the households within the indicated area, therefore, these residents would not be subject to any potential release from this facility.

As an additional check to be sure that we had identified all of the drinking water supplies outside of the City of Pasco service area, we obtained an address list from the Franklin Planning Department which indicated all of the structures with addresses within the three mile circle. All structures are labeled on the aerial photo as inhabited or uninhabited structures and verification from the Franklin County Planning Department is provided in Attachment 4. We do not believe we or you have missed any drinking water wells that could be potentially impacted.

#### **Correct HRS Score**


We recognize you must have some means of ranking sites but you (EPA personnel) and your subcontractors have spent more than 3 years and in excess of \$350,000 studying this site. I question why all this time and money was spent if in the end the results are not used to



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evaluate the site? Why develop all this data and then use a shotgun model which does not consider essential features such as groundwater flow. I do not believe the necessary available or appropriate information was used to score this site, and when this information is used (as demonstrated in this letter) the HRS is reduced to 26.31, a score less than the 28.5 required to be placed on the NPL list. In light of this information, I request that this site be dropped from the National Priorities List. If you have any questions concerning this information please contact me at the Pasco Sanitary Landfill (509) 547-4802 or Mr. John Zillich with Technico and Enviro Services Co. at (509) 735-7283.

Respectfully,

  
Larry Dietrich, Owner  
Pasco Sanitary Landfill

Attachments

## TARGET SHEET: Oversized Document

**This document was not imaged due to the original being oversized. Oversized documents are located at the Superfund Records Center. Please contact the Records Center Help Desk at 206-553-4494 for assistance.**

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**This oversized document is a part of Doc ID:** 1371148

**Oversized Document Title (if any):**

PASCO SANITARY LANDFILL AND VICINITY.



Region 10  
1200 Sixth Ave.  
Seattle, WA 98101

Facility name: Pasco Sanitary Landfill

Location: Pasco, Washington

EPA Region: 10

Person(s) in charge of the facility: Larry Dietrich

Name of Reviewer: Lynn Guilford Date: 5/27/87

General description of the facility:  
 (For example: landfill, surface impoundment, pile, container; types of hazardous substances; location of the facility; contamination route of major concern; types of information needed for rating; agency action, etc.)

Resource Recovery Corporation operated a portion of Pasco Sanitary Landfill as a hazardous waste disposal site from 1972 to 1974. Currently the disposal areas are all covered with three feet of soil. This cover gives both the surface water and direct contact routes scores of 0. The ground water route has an observed release and a large ground water population giving the site an overall score of 44.46

Scores:  $S_M = 44.46$  ( $S_{gw} = 76.92$   $S_{sw} = 0$   $S_a = 0$ )  
 $S_{FE} = 0$   
 $S_{DC} = 0$

FIGURE 1  
HRS COVER SHEET

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7-16-87

Ground Water Route Work Sheet						
Rating Factor	Assigned Value (Circle One)	Multi-plier	Score	Max. Score	Ref. (Section)	
<b>1</b> Observed Release	0 <u>45</u> OK	1	45	45	3.1	
If observed release is given a score of 45, proceed to line <b>4</b> . If observed release is given a score of 0, proceed to line <b>2</b> .						
<b>2</b> Route Characteristics					3.2	
Depth to Aquifer of Concern	0 1 2 3	2		6		
Net Precipitation	0 1 2 3	1		3		
Permeability of the Unsaturated Zone	0 1 2 3	1		3		
Physical State	0 1 2 3	1		3		
Total Route Characteristics Score				15		
<b>3</b> Containment	0 1 2 3	1		3	3.3	
<b>4</b> Waste Characteristics					3.4	
Toxicity/Persistence	0 3 6 9 <u>12</u> 15 18	1	12	18		
Hazardous Waste Quantity	0 1 2 3 4 5 6 7 <u>8</u> OK	1	8	8		
Total Waste Characteristics Score			20	26		
<b>5</b> Targets					3.5	
Ground Water Use	0 1 2 <u>3</u>	3	9	9		
Distance to Nearest Well/Population Served	0 4 6 8 10 12 16 18 20 <u>40</u> 24 30 32 35	1	40	40		
Total Targets Score			49	49		
<b>6</b> If line <b>1</b> is 45, multiply <b>1</b> x <b>4</b> x <b>5</b> If line <b>1</b> is 0, multiply <b>2</b> x <b>3</b> x <b>4</b> x <b>5</b>			44100	57.330		
<b>7</b> Divide line <b>6</b> by 57,330 and multiply by 100			S <sub>gw</sub> = 76.92			

FIGURE 2  
GROUND WATER ROUTE WORK SHEET

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Surface Water Route Work Sheet						
Rating Factor	Assigned Value (Circle One)	Multi- plier	Score	Max. Score	Ref. (Section)	
<b>1</b> Observed Release	0      45	1		45	4.1	
If observed release is given a value of 45, proceed to line <b>4</b> . If observed release is given a value of 0, proceed to line <b>2</b> .						
<b>2</b> Route Characteristics					4.2	
Facility Slope and Intervening Terrain	<input type="radio"/> 0 1 2 3	1		3		
1-yr. 24-hr. Rainfall	<input type="radio"/> 0 1 2 3	1		3		
Distance to Nearest Surface Water	<input type="radio"/> 0 1 2 3	2		6		
Physical State	<input type="radio"/> 0 1 2 3	1		3		
Total Route Characteristics Score			0	15		
<b>3</b> Containment	<input type="radio"/> 0 1 2 3	1	0	3	4.3	
<b>4</b> Waste Characteristics					4.4	
Toxicity/Persistence	<input type="radio"/> 0 3 6 9 12 15 18	1	0	18		
Hazardous Waste Quantity	<input type="radio"/> 0 1 2 3 4 5 6 7 8	1	0	8		
Total Waste Characteristics Score			0	26		
<b>5</b> Targets					4.5	
Surface Water Use	<input type="radio"/> 0 1 2 3	3	0	9		
Distance to a Sensitive Environment	<input type="radio"/> 0 1 2 3	2	0	6		
Population Served/Distance to Water Intake Downstream	<input type="radio"/> 0 4 6 8 10 12 16 18 20 24 30 32 35 40	1	0	40		
Total Targets Score			0	55		
<b>6</b> If line <b>1</b> is 45, multiply <b>1</b> x <b>4</b> x <b>5</b> If line <b>1</b> is 0, multiply <b>2</b> x <b>3</b> x <b>4</b> x <b>5</b>					64,350	
<b>7</b> Divide line <b>6</b> by 64,350 and multiply by 100				S <sub>sw</sub> =	0	

**FIGURE 7**  
**SURFACE WATER ROUTE WORK SHEET**

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Air Route Work Sheet						
Rating Factor	Assigned Value (Circle One)	Multi- plier	Score	Max. Score	Ref. (Section)	
<b>1</b> Observed Release	<b>0</b> 45	1	0	45	5.1	
Date and Location:						
Sampling Protocol:						
If line <b>1</b> is 0, the $S_a = 0$ . Enter on line <b>5</b> . If line <b>1</b> is 45, then proceed to line <b>2</b> .						
<b>2</b> Waste Characteristics					5.2	
Reactivity and Incompatibility	0 1 2 3	1		3		
Toxicity	0 1 2 3	3		9		
Hazardous Waste Quantity	0 1 2 3 4 5 6 7 8	1		8		
Total Waste Characteristics Score				20		
<b>3</b> Targets					5.3	
Population Within 4-Mile Radius	0 9 12 15 18 21 24 27 30	1		30		
Distance to Sensitive Environment	0 1 2 3	2		6		
Land Use	0 1 2 3	1		3		
Total Targets Score				39		
<b>4</b> Multiply <b>1</b> x <b>2</b> x <b>3</b>					35,100	
<b>5</b> Divide line <b>4</b> by 35,100 and multiply by 100				$S_a =$	0	

FIGURE 9  
AIR ROUTE WORK SHEET

*Frederick J. ...*  
7-17-87

	s	s <sup>2</sup>
Groundwater Route Score (S <sub>gw</sub> )	76.92	5916.69
Surface Water Route Score (S <sub>sw</sub> )	0	0
Air Route Score (S <sub>a</sub> )	0	0
$S_{gw}^2 + S_{sw}^2 + S_a^2$		5916.69
$\sqrt{S_{gw}^2 + S_{sw}^2 + S_a^2}$		76.92
$\sqrt{S_{gw}^2 + S_{sw}^2 + S_a^2} / 1.73 = S_M =$		44.46

FIGURE 10  
WORKSHEET FOR COMPUTING S<sub>M</sub>

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7-17-87

Fire and Explosion Work Sheet						
Rating Factor	Assigned Value (Circle One)		Multi- plier	Score	Max. Score	Ref. (Section)
<b>1</b> Containment	1	3	1		3	7.1
<b>2</b> Waste Characteristics						7.2
Direct Evidence	0	3	1		3	
Ignitability	0	1 2 3	1		3	
Reactivity	0	1 2 3	1		3	
Incompatibility	0	1 2 3	1		3	
Hazardous Waste Quantity	0	1 2 3 4 5 6 7 8	1		8	
Total Waste Characteristics Score					20	
<b>3</b> Targets						7.3
Distance to Nearest Population	0	1 2 3 4 5	1		5	
Distance to Nearest Building	0	1 2 3	1		3	
Distance to Sensitive Environment	0	1 2 3	1		3	
Land Use	0	1 2 3	1		3	
Population Within 2-Mile Radius	0	1 2 3 4 5	1		5	
Buildings Within 2-Mile Radius	0	1 2 3 4 5	1		5	
Total Targets Score					24	
<b>4</b> Multiply <b>1</b> x <b>2</b> x <b>3</b>					1,440	
<b>5</b> Divide line <b>4</b> by 1,440 and multiply by 100				SFE = 0		

FIGURE 11  
FIRE AND EXPLOSION WORK SHEET

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7-17-87



Direct Contact Work Sheet						
Rating Factor	Assigned Value (Circle One)	Multi- plier	Score	Max. Score	Ref. (Section)	
<b>1</b> Observed Incident	0      45	1		45	8.1	
If line <b>1</b> is 45, proceed to line <b>4</b> If line <b>1</b> is 0, proceed to line <b>2</b>						
<b>2</b> Accessibility	0 <b>1</b> 2 3	1	1	3	8.2	
<b>3</b> Containment	<b>0</b> 15	1	0	15	8.3	
<b>4</b> Waste Characteristics Toxicity	<b>0</b> 1 2 3	5	0	15	8.4	
<b>5</b> Targets					8.5	
Population Within a 1-Mile Radius	<b>0</b> 1 2 3 4 5	4	0	20		
Distance to a Critical Habitat	<b>0</b> 1 2 3	4	0	12		
Total Targets Score			0	32		
<b>6</b> If line <b>1</b> is 45, multiply <b>1</b> x <b>4</b> x <b>5</b> If line <b>1</b> is 0, multiply <b>2</b> x <b>3</b> x <b>4</b> x <b>5</b>			0	21,600		
<b>7</b> Divide line <b>6</b> by 21,600 and multiply by 100			SDC = 0			

FIGURE 12  
DIRECT CONTACT WORK SHEET

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7-17-8-



# ecology and environment, inc.

101 YESLER WAY, SEATTLE, WASHINGTON, 98104, TEL. 206/624-9537

International Specialists in the Environment

## DOCUMENTATION RECORDS

FOR

## HAZARD RANKING SYSTEM

Instructions: The purpose of these records is to provide a convenient way to prepare an auditable record of the data and documentation used to apply the Hazard Ranking System to a given facility/site. As briefly as possible summarize the information you used to assign the score for each factor (e.g., "Waste Quantity = 4320 drums plus 800 cubic yards of sludges"). The source of the information should be provided for each entry and should be a biographical-type reference that will make the source used for the data point easier to find. Include the location of the source and consider appending a copy of the relevant page(s) for ease in review.

FACILITY NAME: Pasco Sanitary Landfill

LOCATION: Kahlotus Road and Highway 12  
Pasco, Washington 99301

REVIEWER: Lynn Guilford

TDD: TDD F10-8701-04

ECOLOGY AND ENVIRONMENT, INC.

DATE: June 1987

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7-17-87

## GROUND WATER ROUTE

### 1. OBSERVED RELEASE

#### 1a. Contaminants Detected (5 maximum) in Ground Water

Tetrachloroethylene was found in monitoring well EE2.

Trichloroethylene was found in monitoring wells EE2, EE3, and JUB 2.

The levels found were significantly over background (JUB-CATR)

#### - Rationale for attributing the contaminants to the facility:

These compounds, tetrachloroethylene and trichloroethylene, were not found in background wells, but were only found in wells downgradient and adjacent to zone A and the old landfill burn and demolition disposal area. Paint wastes were disposed in Zone A.

HRS Section Score: 45 (Ref. 1 p.50)

\* \* \* \* \*

### 2. ROUTE CHARACTERISTICS

#### 2a. Depth to Aquifer of Concern

#### - Name and description of aquifer(s) of concern:

Water table aquifer, unconfined, which overlies Yakima Basalts. Groundwater occurs 38.5 to 68.7 feet below ground surface at site. See table 4.1 and figures 4.2 and 4.3 of Reference 1 for description of geologic units and cross-sections.

HRS Section Score: (Ref. )

#### 2b. Net Precipitation

- Mean annual or seasonal precipitation (list months for seasonal):

- Mean annual lake evaporation rate (list months for seasonal):

- Net precipitation (subtract above figures):

HRS Section Score: (Ref. )

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2c. Permeability of Unsaturated Zone

- Soil type in unsaturated zone:
- Permeability associated with soil type:

HRS Section Score: (Ref. )

2d. Physical State

- Physical state of substance at time of disposal (or at present time for generated gases):

HRS Section Score: (Ref. )

\* \* \* \* \*

3. CONTAINMENT

3a. Containment

- Method(s) of waste or leachate containment evaluated:
- Method with highest score:

HRS Section Score: (Ref. )

\* \* \* \* \*

4. WASTE CHARACTERISTICS

4.a Toxicity and Persistence

- Compound(s) evaluated:

Compound	Toxicity	Persistence	Total
Trichloroethylene	2	2	12
Tetrachloroethylene	2	2	12

- Compound(s) with highest score:

Tetrachloroethylene and Trichloroethylene

HRS Section Score: 12 (Ref. 2

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4b. Hazardous Waste Quantity

- Total amount of hazardous substance at the facility, excluding those with a containment score of zero. (Give a reasonable estimate, even if the quantity is above maximum.):

The total waste quantity is estimated to be approximately 47,000 drums.

- Basis of estimating and/or computing waste quantity (must be documented quantity and not assumed):

Paint Wastes - 26,426 drums  
2,4-D Mfg. wastes - 5,080 drums  
Carcinogenics - 9 drums  
Aromatic Tar - 1,159 drums  
Cadmium Waste - 11 drums

Pesticides - 425 drums  
Metal Finishing/Cleaning  
- 10,947 drums  
Solvents - 253 drums  
Barium with Mercury  
- 2,896 drums 11,582 drums

HRS Section Score: 8 (Ref. 1,3,4,5)

\* \* \* \* \*

5. TARGETS

5a. Ground Water Use

- Use(s) of aquifer(s) of concern within a 3-mile radius of the facility:

Ground water is used for drinking water and irrigation within three miles of the site. Some of the wells used for drinking water are beyond the perimeter of the public water supply system.

HRS Section Score: 3 (Ref. 6,7,8,9,10,11,12,13)

5b. Distance to Nearest Well

- Location of nearest well drawing from the "aquifer of concern" or occupied building not served by a public water supply:

SW 1/4, NW 1/4, Section 22, Township 9N, Range 30E.

- Distance from site to above well or building:

The well is on site, approximately 800 feet north of monitoring wells EE2, EE3, and JUB 2, which are contaminated.

HRS Section Score: 4 (Ref. 11,13 )

*[Handwritten signature]*  
7-178

5c. Population Served by Ground Water within a 3-Mile Radius

- Identify water supply well(s) drawing from the "aquifer of concern" within a 3-mile radius and populations served by each:

See sheet 4A

Total 1048

- Compute land area irrigated by supply well(s) drawing from the "aquifer of concern" and convert to population (1.5 people per acre):

See sheets 4B,C,D

- Total population served by ground water:

$$1048 + 14820 = 15868$$

HRS Section Score: 40 (Ref. 7,8,9,  
10,11,12,13,14)

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7-17-87

6/5/87

Pasco Sanitary Landfill

GW used for drinking water within 3 miles of above site

<u>Name</u>	<u>Pop. served</u>	<u>Reference #</u>
1. Washington Idaho Laborers	3.8	7
2. Paul Savage	3.8	7
3. Al Yenny	3.8	7
4. Tom Kidwell	3.8	7
5. Van Warner	3.8	7
6. Lakeview Mobile Home Park	800	8
7. Rada Sons	16	8
8. AZLAN Construction Inc	20	8
9. BPA - Franklin	16	8
10. Bonnie Brae Trailer Court	65	8
11. De Vries Water system	12-	8
12. Palmarez	3.8	10
13. Marquez	3.8	10
14. Johnson & Boxbaum	3.8	10
15. Bumgarner	3.8	10
16. Dall	3.8	10
17. Cunningham	3.8	10
18. Rasmussen	3.8	10
19. Western Farm Services	24	8
20. Frontier Machinery	50	8
Total	1048.6	

*[Signature]*  
7-17-87

Pgsc0 Sanitary Landfill

6/10/87

EW used for irrigation within 3 miles of above site:

<u>Name</u>	<u>Acres</u>	<u>Reference #</u>
Burlington Northern	520	9
"	130	
Conn Mut Life Ins	145	
Burlington Northern	520	
"	520	
"	300	
Middleton	142	
"	20	
Columbia East	268	
Burlington Northern	137	
"	160	
"	400	
"	315	
"	107	
"	300	
"	200	
Sullivan	20	
Burlington Northern	107	
"	300	
"	40	
Alderson	150	
Columbia East	500	
Burlington Northern	315	
"	40	
"	75	
Hill	15	
USCE	10	

7-11-87  
 [Signature]  
 [Signature]

Standard Oil	.75
Minnahan	40
Cohn Mut Life Ins	137
Tippett	135
"	160
Cohn Mut Life Ins.	160
Worsham	157
Cox	157
"	5
Cohn Mut Life Ins	130
"	155
Worsham	157
Burlington Northern	480
WA ST DNR	520
Columbia East	130
Burlington Northern	130
Seattle Hardware	4
Clase	1
Modd	2
Fanning	7
Frontier Machinery	12.5
Pasco, City of	15
Columbia	268
Dietrich	38
Tomlinson	345
Palomarez	26
Burden	20
Eastern Wa ID	5
Spooner	1
Reisinger	2

*Handwritten:*  
 7-17-8-  
 (Signature)

Reisinger  
 Mann  
 Johnson  
 Lourdes  
 Pasco, City of  
 Pasco, Port of  
 Columbia East  
 Story  
 Hill  
 USCE

6.5

10

5.5

1.5

10

3

495

73

20

100

Total

9879.75

x 1.5

14820

acres

people per acre  
 people

9



*Handwritten signature*  
 7-17-87

SURFACE WATER ROUTE

1. OBSERVED RELEASE

1a. Contaminants Detected in the Surface Water at the Facility or Down Gradient from It (5 maximum)

No observed release.

- Rationale for attributing contaminants to the facility:

HRS Section Score: (Ref. )

\* \* \* \* \*

2. ROUTE CHARACTERISTICS

2a. Facility Slope and Intervening Terrain

- Average slope of facility/site in percent:

The site is relatively flat (less than 1%).

- Name description of nearest down-slope surface water:

The only down slope water within two miles is a man-made dairy pond.

- Average slope of terrain between facility and above-cited surface water body in percent:

The average slope is less than 1%.

- Is the facility located either totally or partially in surface water?  
Yes / No (circle one)

- Is the facility completely surrounded by areas of higher elevation?  
Yes / No (circle one)

HRS Section Score: 0 (Ref. 1,12,13)

2b. 1-Year 24-Hour Rainfall in Inches

Less than 0.75

HRS Section Score: 0 (Ref. 2 )

*[Handwritten signature]*  
7-17-84

2c. Distance to Nearest Down-slope Surface Water

The man-made dairy pond is approximately 1,500 feet southwest of the site. No natural water is located within two miles of the site.

HRS Section Score: 0 (Ref. 1,12,13,  
15,16)

2d. Physical State of Substance at Time of Disposal

No known waste is available to surface water migration.

HRS Section Score: 0 (Ref. 1 )

\* \* \* \* \*

3. CONTAINMENT

3a. Containment

- Method(s) of waste or leachate containment:

All known hazardous wastes have been covered,

- Method with highest score:

All known hazardous wastes are covered with three feet of soil, four mil polyethylene sheeting, and capped with an additional two feet of soil.

HRS Section Score: 0 (Ref. 1 )

\* \* \* \* \*

4. WASTE CHARACTERISTICS

4a. Toxicity and Persistence

- Compound(s) evaluated:

Compound	Toxicity	Persistence	Total

*Handwritten signature*  
2-17-87



AIR ROUTE

1. OBSERVED RELEASE

1a. Contaminants Detected in Ambient Air

None observed.

- Date and location of detection of contaminants:
- Method used to detect contaminants:
- Rationale for attributing contaminants to the site:

HRS Section Score: 0 (Ref. 1,15 )

\* \* \* \* \*

2. WASTE CHARACTERISTICS

2a. Reactivity and Incompatibility

- Most reactive compound:
- Most incompatible pair of compounds:

HRS Section Score: (Ref. )

2b. Toxicity

- Most toxic compound:

<u>Compound</u>	<u>Toxicity</u>

HRS Section Score: (Ref. )

2c. Hazardous Waste Quantity

- Total quantity of hazardous waste at the facility/site:

*Handwritten signature*  
7-17-8

# LEGEND



Municipal waste disposal zones



Location and name of Resource Recovery burial zone

----- Boundary of Pasco Sanitary Landfill

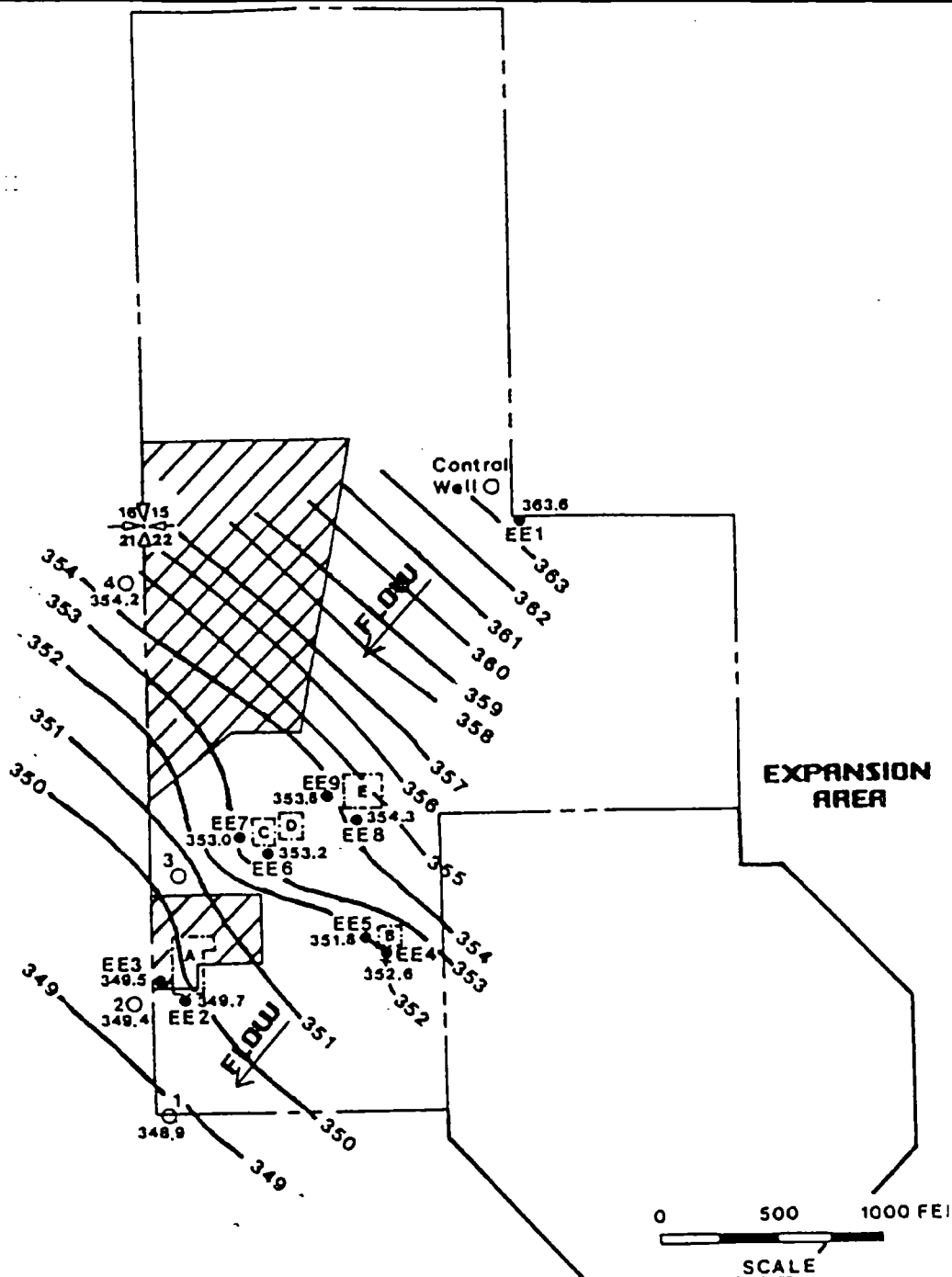
167 15  
224 21 U.S. Public Land Survey intersection

---356--- Elevation of ground-water level contours

354.2 Elevation of ground-water at monitoring well, in feet AMSL

● EE3 Location and number of Ecology and Environment monitoring well

○ 4 Location and number of existing monitoring well



**Figure U-6**  
**Contour Map Showing Elevation of Groundwater, in Feet AMSL,**  
**at Resource Recovery Study Area on December 20-21, 1985**  
**Drawn by Ecology & Environment Inc./Report-TDOR10-8410-14**

ATTACHMENT 1

EPA HRS

- Basis of estimating and/or computing waste quantity:

HRS Section Score: (Ref. )

\* \* \* \* \*

### 3. TARGETS

#### 3a. Population Within 4-mile Radius

- Enter data under respective radius and indicate how determined:

0 to 4 miles	0 to 1 mile	0 to 1/2 mile	0 to 1/4 mile

HRS Section Score: (Ref. )

#### 3b. Distance to Sensitive Environment

- Distance to 5-acre (minimum) coastal wetlands, if 2 miles or less:
- Distance to 5-acre (minimum) fresh-water wetland, if 1 mile or less:
- Distance to critical habitat of an endangered species, if 1 mile or less:

HRS Section Score: (Ref. )

#### 3c. Land Use

- Distance to commercial/industrial area, if 1 mile or less:
- Distance to national or state park, forest, or wildlife reserve, if 2 miles or less:
- Distance to residential area, if 2 miles or less:
- Distance to agricultural land in production within past 5 years, if 1 mile or less:

*Handwritten signature*  
7-17-87

- Compound(s) with highest score:

No known compounds are available to migration.

HRS Section Score: 0 (Ref. 1 )

4b. Hazardous Waste Quantity

- Total amount of hazardous substance at the facility/site, excluding those with a containment score of zero. (Give a reasonable estimate, even if the quantity is above maximum.):

No known waste is available to surface water migration.

- Basis of estimating and/or computing waste quantity (must be documented and not assumed):

HRS Section Score: 0 (Ref. 1 )

\* \* \* \* \*

5. TARGETS

5a. Surface Water Uses

- Use(s) of surface water within 3-miles downstream of the hazardous substance:

No natural surface water is used within two miles of the site and no known hazardous wastes are available to migration.

- Is there tidal influence? Yes / No (circle one)

HRS Section Score: (Ref. 1 )

5b. Distance to Sensitive Environment

- Distance to 5-acre (minimum) coastal wetland, if 2 miles or less:
- Distance to 5-acre (minimum) fresh-water wetland, if 1 mile or less:
- Distance to critical habitat of federal endangered species or national wildlife refuge, if 1 mile or less:

HRS Section Score: 0 (Ref. 1

*[Handwritten signature]*  
7-17-8

5c. Population Served by Surface Water

- Location(s) of water-supply intake(s) within 3 miles (free-flowing bodies) or 1 mile (static bodies) downstream of the hazardous substance and population served by each intake:

No known wastes are available to surface water. No natural surface water is located within two miles of the site.

- Compute land area irrigated by above-cited intake(s) and convert to population (1.5 people per acre):
- Total population served: 0
- Name and description of nearest above-cited water bodies:
- Distance from probable point of entry to above-cited intakes (stream miles):

HRS Section Score: 0 (Ref. 1,12,13,  
15,16)

\* \* \* \* \*

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7-17-87

- Distance to prime agricultural land in production within past 5 years, if 2 miles or less:
- Is a historic or landmark site (National Register of Historic Places and National Natural Landmarks) within the view of the site:

HRS Section Score: (Ref. )

*Handwritten signature*  
7-17-87

## FIRE AND EXPLOSION

### FIRE MARSHAL'S STATEMENT:

This site poses no fire/explosive potential (Ref. 16).

#### 1. CONTAINMENT

- Hazardous substance present:
- Type of containment, if applicable:

HRS Section Score: (Ref. )

\* \* \* \* \*

#### 2. WASTE CHARACTERISTICS

##### 2a. Direct Evidence

- Type of Instrument and Measurement:

HRS Section Score: (Ref. )

##### 2b. Ignitability

- Compound considered:

HRS Section Score: (Ref. )

##### 2c. Reactivity

- Most reactive compound:

HRS Section Score: (Ref. )

##### 2d. Incompatibility

- Most incompatible pair of compounds:

HRS Section Score: (Ref. )

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7-17-87



- Distance to prime agricultural land in production within past 5 years,  
if 2 miles or less:

- Is a historic or landmark site within view of the site?  
Yes / No (circle one)

HRS Section Score: (Ref. )

3e. Population Within 2-Mile Radius

HRS Section Score: (Ref. )

3f. Buildings Within 2-Mile Radius

HRS Section Score: (Ref. )

*[Handwritten signature]*  
7-17-87

2e. Hazardous Waste Quantity

- Total quantity of hazardous substance(s) at the facility/site:
- Basis for estimating and/or computing waste quantity:

HRS Section Score: (Ref. )

\* \* \* \* \*

3. TARGETS

3a. Distance to Nearest Population

HRS Section Score: (Ref. )

3b. Distance to Nearest Building

HRS Section Score: (Ref. )

3c. Distance to Nearest Sensitive Environment

- Distance to wetlands:
- Distance to critical habitat:

HRS Section Score: (Ref. )

3d. Land Use

- Distance to commercial/industrial area, if 1 mile or less:
- Distance to national or state park, forest, or wildlife refuge, if 2 miles or less:
- Distance to residential area, if 2 miles or less:
- Distance to agricultural land in production within past 5 years, if 1 mile or less:

*[Handwritten signature]*  
7-17-8

DIRECT CONTACT

1. OBSERVED INCIDENT

1a. Date, Location, and Pertinent Details of Incident

No observed incident reported.

HRS Section Score: 0 (Ref. 1,15 )

\* \* \* \* \*

2. ACCESSIBILITY

2a. Describe Type of Barrier(s)

Site is not fenced. However, the operator's residence is on site.

HRS Section Score: 1 (Ref. 17 )

\* \* \* \* \*

3. CONTAINMENT

3a. Type of Containment, if Applicable

The known hazardous waste is covered with three feet of soil, four mil polyethylene sheeting, and capped with an additional two feet of soil.

HRS Section Score: 0 (Ref. 1 )

\* \* \* \* \*

4. WASTE CHARACTERISTICS

4a. Toxicity

- Compounds evaluated:

Compound	Toxicity
No compounds available for contact.	

- Compound with highest score:

HRS Section Score: 0 (Ref. 1 )

*[Handwritten signature]*  
7-17-87



ATTACHMENT 2

DRINKING WATER WELLS DATA SHEETS

Note: EPA List of Drinking Water Wells  
Appears as page 4A of Attachment 1.

See # 27

1.

PASCO SANITARY LANDFILL

Groundwater Usage Information Sheet

Owner: Washington-Idaho Labores

Contact Date: \_\_\_\_\_

Phone No: \_\_\_\_\_

Contact Made By: \_\_\_\_\_

Address: \_\_\_\_\_

Person Contacted: \_\_\_\_\_

Signed: \_\_\_\_\_

Is well used for Drinking Water?: Yes [ ] No [ ]

No. of permanent people served: \_\_\_\_\_

Is well used for Irrigation?: Yes [ ] No [ ]

No. of acres: \_\_\_\_\_

Comments: \_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_

Drinking Water Users

Actual vs. EPA Estimate

Actual: \_\_\_\_\_

EPA: 3.8

Sec# 27  
2

PASCO SANITARY LANDFILL

Groundwater Usage Information Sheet

Owner: Paul Savage

Contact Date: \_\_\_\_\_

Phone No: \_\_\_\_\_

Contact Made By: \_\_\_\_\_

Address: \_\_\_\_\_  
\_\_\_\_\_

Person Contacted: \_\_\_\_\_

Signed: \_\_\_\_\_

Is well used for Drinking Water?: Yes [ ] No [ ]

No. of permanent people served: \_\_\_\_\_

Is well used for Irrigation?: Yes [ ] No [ ]

No. of acres: \_\_\_\_\_

Comments: \_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_

Drinking Water Users

Actual vs. EPA Estimate

Actual: \_\_\_\_\_

EPA: 3.8

Sheet 28

3

PASCO SANITARY LANDFILL

Groundwater Usage Information Sheet

Owner: Al Yenny

Contact Date: \_\_\_\_\_

Phone No: \_\_\_\_\_

Contact Made By: \_\_\_\_\_

Address: \_\_\_\_\_  
\_\_\_\_\_

Person Contacted: \_\_\_\_\_

Signed: \_\_\_\_\_

Is well used for Drinking Water?: Yes [ ] No [ ]

No. of permanent people served: \_\_\_\_\_

Is well used for Irrigation?: Yes [ ] No [ ]

No. of acres: \_\_\_\_\_

Comments: \_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_

Drinking Water Users

Actual vs. EPA Estimate

Actual: \_\_\_\_\_

EPA: 3.8



Sen # 17

4.

PASCO SANITARY LANDFILL

Groundwater Usage Information Sheet

Owner: Tom Kidwell

Contact Date: \_\_\_\_\_

Phone No: \_\_\_\_\_

Contact Made By: \_\_\_\_\_

Address: \_\_\_\_\_  
\_\_\_\_\_

Person Contacted: \_\_\_\_\_

Signed: \_\_\_\_\_

Is well used for Drinking Water?: Yes [ ] No [ ]

No. of permanent people served: \_\_\_\_\_

Is well used for Irrigation?: Yes [ ] No [ ]

No. of acres: \_\_\_\_\_

Comments: \_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_

Drinking Water Users

Actual vs. EPA Estimate

Actual: \_\_\_\_\_

EPA: 38

See # 17  
#5

(Could not locate)

PASCO SANITARY LANDFILL

Groundwater Usage Information Sheet

Owner: Van Wormer

Contact Date: \_\_\_\_\_

Phone No: \_\_\_\_\_

Contact Made By: \_\_\_\_\_

Address: \_\_\_\_\_  
\_\_\_\_\_

Person Contacted: \_\_\_\_\_

Signed: \_\_\_\_\_

Is well used for Drinking Water?: Yes [ ] No [ ]

No. of permanent people served: \_\_\_\_\_

Is well used for Irrigation?: Yes [ ] No [ ]

No. of acres: \_\_\_\_\_

Comments: \_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_

Drinking Water Users

Actual vs. EPA Estimate

Actual: \_\_\_\_\_

EPA: 3.8

See #34

6 26 66

PASCO SANITARY LANDFILL

Groundwater Usage Information Sheet

Owner: Lakeview Mobile Home Park

Contact Date: 7/19/88

Phone No: 547-3062

Contact Made By: E. Dietrich

Address: S. 1505 Rd. 40 E.

Pasco, WA 99301

Person Contacted: \_\_\_\_\_

Signed: Connie Best

Is well used for Drinking Water?: Yes ☒ No ☐

No. of permanent people served: 22 spaces

Is well used for Irrigation?: Yes ☒ No ☐

No. of acres: \_\_\_\_\_

Comments: irrigation - watering lawn  
\_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_

Drinking Water Users

Actual vs. EPA Estimate

Actual: 82.60

6 - 200.0  
66 - 22.5  
EPA: 66 - 20.0

Total 82.60

Total 852.5

PASCO SANITARY LANDFILL

Groundwater Usage Information Sheet

Owner: Rada & Sons

Contact Date: 7/19/88

Phone No: 547-3974

Contact Made By: E. Dietz

Address: 2707 F LEWIS

PASCO, WA

Person Contacted: \_\_\_\_\_

Signed: Guinea Rada

Is well used for Drinking Water?: Yes ☒ No ☐

No. of permanent people served: 15

Is well used for Irrigation?: Yes ☒ No ☐

No. of acres: \_\_\_\_\_

Comments: \_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_

Drinking Water Users

Actual vs. EPA Estimate

Actual: 15

EPA: 16

PASCO SANITARY LANDFILL

Groundwater Usage Information Sheet

Owner: Azian Const. (Don Norvell) Contact Date: 7/19/88  
 Phone No: 545-1985 Contact Made By: \_\_\_\_\_  
 Address: 2700 E. Lewis  
Pasco, WA 99301  
 Person Contacted: Don Norvell Signed: phone

Is well used for Drinking Water?: Yes ☒ No ☐

No. of permanent people served: 5

Is well used for Irrigation?: Yes ☐ No ☒

No. of acres: \_\_\_\_\_

Comments: \_\_\_\_\_  
 \_\_\_\_\_  
 \_\_\_\_\_  
 \_\_\_\_\_

Drinking Water Users

Actual vs. EPA Estimate

Actual: 1

EPA: 200

## Groundwater Usage Information Sheet

Contact Date: 7/19/88

Contact Made By: *E. O. Smith*

PASCO WA 99301

Signed: Phone

No. of acres: \_\_\_\_\_

Comments: \_\_\_\_\_

\_\_\_\_\_

\_\_\_\_\_

\_\_\_\_\_

### Actual vs. EPA Estimate

EPA: 16

PASCO SANITARY LANDFILL

Groundwater Usage Information Sheet

Owner: Bonnie Brac Tr. Crt.

Contact Date: 7/19/88

Phone No: 547-4205

Contact Made By: E. Dietrich

Address: 2508 E. Lewis

Person Contacted: Frank Lawrence

Signed: Frank Lawrence

Is well used for Drinking Water?: Yes ☒ No ☐

No. of permanent people served:

50-55 - Monthly Rentals - 71  
Spenn. (acres)

Is well used for Irrigation?: Yes ☒ No ☐

No. of acres:

3.97 acres

Comments: \_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_

Drinking Water Users

Actual vs. EPA Estimate

Actual: 57

EPA: 65

PASCO SANITARY LANDFILL

Groundwater Usage Information Sheet

Owner: Pete DeVries

Contact Date: \_\_\_\_\_

Phone No: \_\_\_\_\_

Contact Made By: \_\_\_\_\_

Address: \_\_\_\_\_

Person Contacted: \_\_\_\_\_

Signed: \_\_\_\_\_

Is well used for Drinking Water?: Yes ☐ No ☐

No. of permanent people served: \_\_\_\_\_

Is well used for Irrigation?: Yes ☐ No ☐

No. of acres: \_\_\_\_\_

Comments: \_\_\_\_\_  
 \_\_\_\_\_  
 \_\_\_\_\_  
 \_\_\_\_\_

Drinking Water Users

Actual vs. EPA Estimate

Actual: \_\_\_\_\_

EPA: 12



Sec # 22 Sec # 22

13

53

PASCO SANITARY LANDFILL

Groundwater Usage Information Sheet

Owner: Joe Palomarez

Contact Date: \_\_\_\_\_

Phone No: 545-4600

Contact Made By: \_\_\_\_\_

Address: 1141 Pasco-Kahlotus Rd.

PASCO, WA 99301

Person Contacted: \_\_\_\_\_

Signed: \_\_\_\_\_

Is well used for Drinking Water?: Yes [ ] No [ ]

No. of permanent people served: \_\_\_\_\_

Is well used for Irrigation?: Yes [ ] No [ ]

No. of acres: \_\_\_\_\_

Comments: could not contact - (1 residence)

\_\_\_\_\_

\_\_\_\_\_

\_\_\_\_\_

Drinking Water Users

Actual vs. EPA Estimate

Actual: 3.2

EPA: 5.0

PASCO SANITARY LANDFILL

Groundwater Usage Information Sheet

Owner: G. Marquez

Contact Date: \_\_\_\_\_

Phone No: \_\_\_\_\_

Contact Made By: \_\_\_\_\_

Address: \_\_\_\_\_

Person Contacted: \_\_\_\_\_

Signed: \_\_\_\_\_

Is well used for Drinking Water?: Yes [ ] No [ ]

No. of permanent people served: \_\_\_\_\_

Is well used for Irrigation?: Yes [ ] No [ ]

No. of acres: \_\_\_\_\_

Comments: \_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_

Drinking Water Users

Actual vs. EPA Estimate

Actual: \_\_\_\_\_

EPA: 3.8

Sec # 37

15

PASCO SANITARY LANDFILL

Groundwater Usage Information Sheet

Owner: Johnson + Boxbaum

Contact Date: \_\_\_\_\_

Phone No: \_\_\_\_\_

Contact Made By: \_\_\_\_\_

Address: \_\_\_\_\_

Person Contacted: \_\_\_\_\_

Signed: \_\_\_\_\_

Is well used for Drinking Water?: Yes [ ] No [ ]

No. of permanent people served: \_\_\_\_\_

Is well used for Irrigation?: Yes [ ] No [ ]

No. of acres: \_\_\_\_\_

Comments: \_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_

Drinking Water Users

Actual vs. EPA Estimate

Actual: \_\_\_\_\_

EPA: 3.8

## PASCO SANITARY LANDFILL

## Groundwater Usage Information Sheet

Owner: Bumgarner

Contact Date: \_\_\_\_\_

Phone No: \_\_\_\_\_

Contact Made By: \_\_\_\_\_

Address: \_\_\_\_\_  
\_\_\_\_\_

Person Contacted: \_\_\_\_\_

Signed: \_\_\_\_\_

Is well used for Drinking Water?: Yes [ ] No [ ]

No. of permanent people served: \_\_\_\_\_

Is well used for Irrigation?: Yes [ ] No [ ]

No. of acres: \_\_\_\_\_

Comments: \_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_

## Drinking Water Users

## Actual vs. EPA Estimate

Actual: \_\_\_\_\_

EPA: 3.8

PASCO SANITARY LANDFILL

Groundwater Usage Information Sheet

Owner: Dall Contact Date: \_\_\_\_\_  
Phone No: \_\_\_\_\_ Contact Made By: \_\_\_\_\_  
Address: \_\_\_\_\_  
\_\_\_\_\_  
Person Contacted: \_\_\_\_\_ Signed: \_\_\_\_\_

Is well used for Drinking Water?: Yes [ ] No [ ]

No. of permanent people served: \_\_\_\_\_

Is well used for Irrigation?: Yes [ ] No [ ]

No. of acres: \_\_\_\_\_

Comments: \_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_

Drinking Water Users

Actual vs. EPA Estimate

Actual: \_\_\_\_\_ EPA: 3.8

Sec 28  
• 18.  
Coulton

PASCO SANITARY LANDFILL

Groundwater Usage Information Sheet

Owner: Cunningham

Contact Date: \_\_\_\_\_

Phone No: \_\_\_\_\_

Contact Made By: \_\_\_\_\_

Address: \_\_\_\_\_  
\_\_\_\_\_

Person Contacted: \_\_\_\_\_

Signed: \_\_\_\_\_

Is well used for Drinking Water?: Yes [ ] No [ ]

No. of permanent people served: \_\_\_\_\_

Is well used for Irrigation?: Yes [ ] No [ ]

No. of acres: \_\_\_\_\_

Comments: \_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_

Drinking Water Users

Actual vs. EPA Estimate

Actual: \_\_\_\_\_

EPA: 3.8

## PASCO SANITARY LANDFILL

## Groundwater Usage Information Sheet

Owner: Rasmussen

Contact Date: \_\_\_\_\_

Phone No: \_\_\_\_\_

Contact Made By: \_\_\_\_\_

Address: \_\_\_\_\_

Person Contacted: \_\_\_\_\_

Signed: \_\_\_\_\_

Is well used for Drinking Water?: Yes [ ] No [ ]

No. of permanent people served: \_\_\_\_\_

Is well used for Irrigation?: Yes [ ] No [ ]

No. of acres: \_\_\_\_\_

Comments: \_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_

## Drinking Water Users

## Actual vs. EPA Estimate

Actual: 3.8EPA: 3.8

PASCO SANITARY LANDFILL

Groundwater Usage Information Sheet

Owner: Western Farm Services

Contact Date: 7/19/88

Phone No: 545-4900

Contact Made By: E. Dietrich

Address: 151 Dietrich Rd

Pasco, WA 99301

Person Contacted: Jean Peters

Signed: Jean Peters

Is well used for Drinking Water?: Yes ☒ No ☐

No. of permanent people served: 4

Is well used for Irrigation?: Yes ☐ No ☒

No. of acres: \_\_\_\_\_

Comments: \_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_

Drinking Water Users

Actual vs. EPA Estimate

Actual: 4

EPA: 24



## PASCO SANITARY LANDFILL

## Groundwater Usage Information Sheet

Owner: Frontier Machinery  
now Liberty AgContact Date: 7/9/88Phone No: 547-0541Contact Made By: S. DietrichAddress: 1707 E JamesPASCO WA 99301Person Contacted: DORNA GREENSigned: Dorna GreenIs well used for Drinking Water?: Yes ☒ No ☐No. of permanent people served: 22Is well used for Irrigation?: Yes ☐ No ☒

No. of acres: \_\_\_\_\_

Comments: Used to IRRIGATE Field but stopped  
several years ago - now only domestic use.  
K.A.(I used only E. Dietrich)

## Drinking Water Users

## Actual vs. EPA Estimate

Actual: 22

(21)	—	50.00
EPA: (40)		18.75

total		68.75
-------	--	-------

ATTACHMENT 3

IRRIGATION WELLS DATA SHEETS

Note: EPA List of Irrigation Wells appears  
as pages 4B-4D of Attachment 1.

Sec #14

7 8

PASCO SANITARY LANDFILL

Groundwater Usage Information Sheet

Owner: Wm. Middleton

Contact Date: 2/26/88

~~Phone No.~~ 2141 Pasco-Kahlotus Rd.

Contact Made By: L. Outland

Address: PASCO, WA 99301

Phone # 542-5668

Person Contacted: Cinda Middleton

Signed: by phone

Is well used for Drinking Water?: Yes [ ☒ ] No [ ☐ ]

No. of permanent people served: 6

Is well used for Irrigation?: Yes [ ☒ ] No [ ☐ ]

No. of acres: 170 acres

Comments: \_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_

Drinking Water Users

Actual vs. EPA Estimate

Actual: 6

EPA: 243

PASCO SANITARY LANDFILL

Groundwater Usage Information Sheet

Owner: Lakeview Mobile Home Park Contact Date: 7/19/88  
 Phone No: 547-3062 Contact Made By: E. (Dittus)  
 Address: S. 15th Rd. 40 E.  
Pasco, Wa. 99301  
 Person Contacted: \_\_\_\_\_ Signed: Donnie Best

Is well used for Drinking Water?: Yes [☒] No [ ]

No. of permanent people served; 22 spaces

Is well used for Irrigation?: Yes [☒] No [ ]

No. of acres: \_\_\_\_\_

Comments: irrigation - watering lawns  
 \_\_\_\_\_  
 \_\_\_\_\_  
 \_\_\_\_\_

Drinking Water Users

Actual vs. EPA Estimate

Actual:	<u>83.60</u>	67 -	800.0
		66 -	22.5
		EPA: 66 -	20.0
	<u>22.60</u>		<u>852.5</u>

See # 35

27 67

PASCO SANITARY LANDFILL

Groundwater Usage Information Sheet

Owner: Corp. of Engineers

Contact Date: 7/24/88

Phone No: 547-7781

Contact Made By: L. D. Dittus

Address: Burkark, WA

Person Contacted: Lanette Trower

Signed: by phone

Is well used for Drinking Water?: Yes ☒ No ☐

No. of permanent people served: \_\_\_\_\_

Is well used for Irrigation?: Yes ☒ No ☐

No. of acres: \_\_\_\_\_

Comments: water gas

Drinking Water Users

Actual vs. EPA Estimate

Actual: 5

EPA: 16.5

## PASCO SANITARY LANDFILL

## Groundwater Usage Information Sheet

Owner: Standard Oil (Chevron) Contact Date: 7/24/88  
Phone No: 547-1751 Contact Made By: E. Dietrich  
Address: Sacajawea PARK Rd.  
PASCO, WA 99301  
Person Contacted: Ken Rudolph Signed: by phone

Is well used for Drinking Water?: Yes [ ] No [ ☒ ]

No. of permanent people served: \_\_\_\_\_

Is well used for Irrigation?: Yes [ ] No [ ☒ ]

No. of acres: \_\_\_\_\_

Comments: Water from the river is used for  
fire protection

## Drinking Water Users

## Actual vs. EPA Estimate

Actual: - 0 -

EPA: 1.125

Sec # 4

29 30

PASCO SANITARY LANDFILL

Groundwater Usage Information Sheet

Owner: E. Blasdel

Contact Date: 7/24/88

Phone No: 547-2801

Contact Made By: G. Dietrich

Address: HC 12-32 Box 1483

PASCO, WA 99301

Person Contacted: Mac Blasdel

Signed: by phone

Is well used for Drinking Water?: Yes [ ] No [ X ]

No. of permanent people served: \_\_\_\_\_

Is well used for Irrigation?: Yes [ X ] No [ ]

No. of acres: 190 acres

Comments: \_\_\_\_\_

\_\_\_\_\_

\_\_\_\_\_

\_\_\_\_\_

Drinking Water Users

Actual vs. EPA Estimate

Actual: -0-

EPA: 245.5

## PASCO SANITARY LANDFILL

## Groundwater Usage Information Sheet

Owner: K. Ashley TrustContact Date: 7/25/88

Phone No: \_\_\_\_\_

Contact Made By: E. Dittus

Address: \_\_\_\_\_

Person Contacted: Tim TippittSigned: Tim TippittIs well used for Drinking Water?: Yes [ ] No [ ☒ ]

No. of permanent people served: \_\_\_\_\_

Is well used for Irrigation?: Yes [ ☒ ] No [ ]No. of acres: 130Comments: no people irrigates 130 acresTim Tippitt manages this land

## Drinking Water Users

## Actual vs. EPA Estimate

Actual: -0-EPA: 202.50



## PASCO SANITARY LANDFILL

## Groundwater Usage Information Sheet

Owner: WA. St. DNRContact Date: 7/26/88Phone No: 547-7796Contact Made By: E. DietrichAddress: leased by Charlie CoxPerson Contacted: Sharon Skimmell  
(Secretary)Signed: by phoneIs well used for Drinking Water?: Yes [ ✓ ] No [ ]No. of permanent people served: 2Is well used for Irrigation?: Yes [ ✓ ] No [ ]

No. of acres: \_\_\_\_\_

Comments: \_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_

## Drinking Water Users

## Actual vs. EPA Estimate

Actual: 2EPA: 780

Sec# 20

Sec# 30

44 49

62

PASCO SANITARY LANDFILL

Groundwater Usage Information Sheet

Owner: City of Pasco (Parks & Rec.) Contact Date: July 25

Phone No: 545-3457 Contact Made By: E. Dietrich

Address: 1125 N 4th

PASCO, WA 99301

Person Contacted: DICK ERICKSON Signed: by phone

Is well used for Drinking Water?: Yes [ ] No [ X ]

No. of permanent people served: 0

Is well used for Irrigation?: Yes [ X ] No [ ]

No. of acres: 17

Comments: Swimming pool filled with water from (k2  
no other use.

irrigation (watering grass) only at cemetery

Drinking Water Users

Actual vs. EPA Estimate

Actual: 0

Total 0 -

	(44)	-	6.00
	(49)	-	22.50
EPA:	(62)	-	15.00

Total 42.5

Sec #1

45

did not contact

PASCO SANITARY LANDFILL

Groundwater Usage Information Sheet

Owner: Close

Contact Date: \_\_\_\_\_

Phone No: \_\_\_\_\_

Contact Made By: \_\_\_\_\_

Address: \_\_\_\_\_  
\_\_\_\_\_

Person Contacted: \_\_\_\_\_

Signed: \_\_\_\_\_

Is well used for Drinking Water?: Yes ☐ No ☐

No. of permanent people served: \_\_\_\_\_

Is well used for Irrigation?: Yes ☐ No ☐

No. of acres: \_\_\_\_\_

Comments: \_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_

Drinking Water Users

Actual vs. EPA Estimate

Actual: \_\_\_\_\_

EPA: 1.5

Sec 4

4a

did not contact

PASCO SANITARY LANDFILL

Groundwater Usage Information Sheet

Owner: Modd

Contact Date: \_\_\_\_\_

Phone No: \_\_\_\_\_

Contact Made By: \_\_\_\_\_

Address: \_\_\_\_\_  
\_\_\_\_\_

Person Contacted: \_\_\_\_\_

Signed: \_\_\_\_\_

Is well used for Drinking Water?: Yes [ ] No [ ]

No. of permanent people served: \_\_\_\_\_

Is well used for Irrigation?: Yes [ ] No [ ]

No. of acres: \_\_\_\_\_

Comments: \_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_

Drinking Water Users

Actual vs. EPA Estimate

Actual: \_\_\_\_\_

EPA: 2.0

Sec #

47

did not contact

PASCO SANITARY LANDFILL

Groundwater Usage Information Sheet

Owner: Fanning

Contact Date: \_\_\_\_\_

Phone No: \_\_\_\_\_

Contact Made By: \_\_\_\_\_

Address: \_\_\_\_\_

Person Contacted: \_\_\_\_\_

Signed: \_\_\_\_\_

Is well used for Drinking Water?: Yes ☐ No ☐

No. of permanent people served: \_\_\_\_\_

Is well used for Irrigation?: Yes ☐ No ☐

No. of acres: \_\_\_\_\_

Comments: \_\_\_\_\_

\_\_\_\_\_

\_\_\_\_\_

\_\_\_\_\_

Drinking Water Users

Actual vs. EPA Estimate

Actual: \_\_\_\_\_

EPA: 10.5

See # 20

21

48

PASCO SANITARY LANDFILL

Groundwater Usage Information Sheet

Owner: Frontier Machinery

now Liberty Ag

Phone No: 547-0541

Address: 1707 E James

PASCO, WA 99301

Person Contacted: DONNA GREEN

Contact Date: 7/19/88

Contact Made By: E. Dietrich

Signed: Donna Green

Is well used for Drinking Water?: Yes ☒ No ☐

No. of permanent people served: 22

Is well used for Irrigation?: Yes ☐ No ☒

No. of acres: \_\_\_\_\_

Comments: Used to IRRIGATE Field but stopped  
SEVERAL years Ago - now only domestic use.

K.A.

(1 well org.) E. Dietrich

Drinking Water Users

Actual vs. EPA Estimate

Actual: 22

EPA: 40 18.75

Total 68.75

Sec # 22

Sec # 23

51

0.

## PASCO SANITARY LANDFILL

## Groundwater Usage Information Sheet

Owner: Pasco Sanitary Landfill

Contact Date: \_\_\_\_\_

Phone No: 547-4802

Contact Made By: \_\_\_\_\_

Address: \_\_\_\_\_

Person Contacted: \_\_\_\_\_

Signed: E. OutlandIs well used for Drinking Water?: Yes ☒ No ☐

No. of permanent people served: \_\_\_\_\_

Is well used for Irrigation?: Yes ☒ No ☐

No. of acres: \_\_\_\_\_

Comments: \_\_\_\_\_

\_\_\_\_\_

\_\_\_\_\_

\_\_\_\_\_

## Drinking Water Users

## Actual vs. EPA Estimate

Actual: 6EPA: 57.0

Su#22  
52

PASCO SANITARY LANDFILL

Groundwater Usage Information Sheet

Owner: Tomlinson (Dietrich Dennis) Contact Date: \_\_\_\_\_  
Phone No: 545 4896 Contact Made By: L Dietrich  
Address: 3682 Selph Landing Rd.  
Person Contacted: Gib Tomlinson Signed: Gilbert Tomlinson

Is well used for Drinking Water?: Yes [ ] No [X]

No. of permanent people served: 0

Is well used for Irrigation?: Yes [X] No [ ]

No. of acres: 286 (345)

Comments: \_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_

Drinking Water Users

Actual vs. EPA Estimate

Actual: 0

EPA: 517.5



PASCO SANITARY LANDFILL

Groundwater Usage Information Sheet

Owner: Joe Palmaraz

Contact Date: \_\_\_\_\_

Phone No: 545-6600

Contact Made By: \_\_\_\_\_

Address: 1141 Pasco-Kahlotus Rd.

Pasco, WA 99301

Person Contacted: \_\_\_\_\_

Signed: \_\_\_\_\_

Is well used for Drinking Water?: Yes [ ] No [ ]

No. of permanent people served: \_\_\_\_\_

Is well used for Irrigation?: Yes [ ] No [ ]

No. of acres: \_\_\_\_\_

Comments: could not contact - (1 residence)

\_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_

Drinking Water Users

Actual vs. EPA Estimate

Actual: 3.8

EPA: 5.9

PASCO SANITARY LANDFILL

Groundwater Usage Information Sheet

Owner: Ray Burden

Contact Date: 7/26/88

Phone No: 545-6580

Contact Made By: E. Dietrich

Address: \_\_\_\_\_

Person Contacted: Ray Burden

Signed: by phone

Is well used for Drinking Water?: Yes [ ] No [ ]

No. of permanent people served: \_\_\_\_\_

Is well used for Irrigation?: Yes [ ] No [ ]

No. of acres: \_\_\_\_\_

Comments: There is no well. He only  
applied for one  
 \_\_\_\_\_  
 \_\_\_\_\_

Drinking Water Users

Actual vs. EPA Estimate

Actual: - 1 -

EPA: 20

PASCO SANITARY LANDFILL

Groundwater Usage Information Sheet

Owner: Franklin Co. Irrig Dist.

Contact Date: 7/27/88

Phone No: 547-3821

Contact Made By: E. Dietrich

Address: 120 S. 5th

Pasco, WA 99301

Person Contacted: Mr. Brown

Signed: \_\_\_\_\_

Is well used for Drinking Water?: Yes [ ] No [ ]

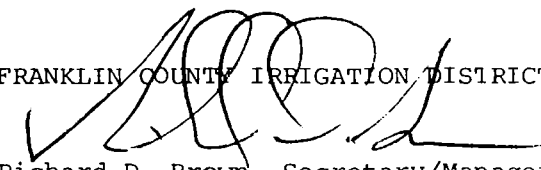
No. of permanent people served: \_\_\_\_\_

Is well used for Irrigation?: Yes [ ] No [ ]

No. of acres: \_\_\_\_\_

Comments: Lands in this area were acquired by the Franklin County Irrigation  
District No. 1 due to non-payment of I-irrigation Assessments. The  
lands were acquired from the predecessor of the District (Pasco  
Reclamation Co.) in 1917 at the time of the formation of the District.  
No improvements have been made by the District in that area and  
any well would have been drilled prior to that time and no information  
is available. We have no knowledge of the existence of a well  
noted in the EPA printout of well locations.

FRANKLIN COUNTY IRRIGATION DISTRICT

  
Richard D. Brown, Secretary/Manager

Drinking Water Users

Actual vs. EPA Estimate

Actual:     -    

EPA:     7.5

See # 28

56

PASCO SANITARY LANDFILL

Groundwater Usage Information Sheet

Owner: Spooher - Honine Nidever Contact Date: 7/28/88  
Phone No: 547-4205 Contact Made By: E. Dittman  
Address: 2506 E. Lewis  
Pasco, WA 99301  
Person Contacted: Jean Brown Signed: by phone

Is well used for Drinking Water?: Yes ☒ No ☐

No. of permanent people served: 15

Is well used for Irrigation?: Yes ☒ No ☐

No. of acres:                     

Comments: water laws  
\_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_

Drinking Water Users

Actual vs. EPA Estimate

Actual: 15

EPA: 1.5

Sen# 28

57 58

PASCO SANITARY LANDFILL

Groundwater Usage Information Sheet

Owner: Reisenger

Contact Date: 7/24/88

Phone No: 542-3745

Contact Made By: C. Dietrich

Address: 2400 E. A St.

Pasco, Wa 99301

Person Contacted: Elsie Reisenger

Signed: by phone

Is well used for Drinking Water?: Yes [ ☒ ] No [ ☐ ]

No. of permanent people served: \_\_\_\_\_

Is well used for Irrigation?: Yes [ ☒ ] No [ ☐ ]

No. of acres: 2 acres \_\_\_\_\_

Comments: \_\_\_\_\_

\_\_\_\_\_

\_\_\_\_\_

\_\_\_\_\_

Drinking Water Users

Actual vs. EPA Estimate

Actual: 9

EPA: 1275

See # 28

59

PASCO SANITARY LANDFILL

Groundwater Usage Information Sheet

Owner: Mann

Contact Date: 7/26/88

Phone No: 547-4061

Contact Made By: E. Dietrich

Address: 3300 W. Wernett

PASCO, WA 99301

Person Contacted: W. F. Mann

Signed: by phone

Is well used for Drinking Water?: Yes [ ] No [ X ]

No. of permanent people served: \_\_\_\_\_

Is well used for Irrigation?: Yes [ X ] No [ ]

No. of acres: 10

Comments: \_\_\_\_\_

\_\_\_\_\_

\_\_\_\_\_

\_\_\_\_\_

Drinking Water Users

Actual vs. EPA Estimate

Actual: - 0 -

EPA: 15.0

Sheet 28

60

PASCO SANITARY LANDFILL

Groundwater Usage Information Sheet

Owner: Johnson

Contact Date: 7/24/88

Phone No: 452-8766

Contact Made By: C. Dutton

Address: 1013 S. 3rd

Wahkiakum, WA

Person Contacted: Genevieve Johnson

Signed: by phone

Is well used for Drinking Water?: Yes [ ☒ ] No [ ☐ ]

No. of permanent people served: 7

Is well used for Irrigation?: Yes [ ☒ ] No [ ☐ ]

No. of acres: \_\_\_\_\_

Comments: \_\_\_\_\_

\_\_\_\_\_

\_\_\_\_\_

\_\_\_\_\_

Drinking Water Users

Actual vs. EPA Estimate

Actual: 7

EPA: 8.25

Sec# 29

61

PASCO SANITARY LANDFILL

Groundwater Usage Information Sheet

Owner: OUR LADY OF LOURDES HOSPITAL

Contact Date: 7/25/88

Phone No: (509) 547-7704

Contact Made By: ELAINE DIETR.

Address: 520 N. 4<sup>th</sup> Street

PASCO, WA 99301

Person Contacted: SISTER IRMA

Signed: Sister Irma

Is well used for Drinking Water?: Yes [ ] No [☒]

No. of permanent people served: \_\_\_\_\_

Is well used for Irrigation?: Yes [ ] No [☒]

No. of acres: \_\_\_\_\_

Comments: The well is unusable. A parking lot is paved  
over it -

Drinking Water Users

Actual vs. EPA Estimate

Actual: -0-

EPA: 7.5



Sec# 33

63

PASCO SANITARY LANDFILL

Groundwater Usage Information Sheet

Owner: Port of Pasco

Contact Date: 7/25/58

Phone No: 547-3378

Contact Made By: C. Dietrich

Address: P.O. Box 769

Pasco Wa 99301

Person Contacted: Paul Vick, Genl Mgr.

Signed: Paul Vick

Is well used for Drinking Water?: Yes ☒ No ☐

No. of permanent people served: 266

Is well used for Irrigation?: Yes ☐ No ☒

No. of acres: \_\_\_\_\_

Comments: \_\_\_\_\_

\_\_\_\_\_

\_\_\_\_\_

\_\_\_\_\_

Drinking Water Users

Actual vs. EPA Estimate

Actual: 266

EPA: 4.50

Sec # 26  
21 22 23 24 25

PASCO SANITARY LANDFILL

Groundwater Usage Information Sheet

Owner: Jack Alderson

Contact Date: 7/27/88

Phone No: 545 8287

Contact Made By: J. Zillich

Address: Kahlotus Rd  
Pasco Wash

Person Contacted: JACK ALDERSON

Signed: by phone

Is well used for Drinking Water?:

Yes ☒ No ☐

No. of permanent people served:

10 people 4 homes

Is well used for Irrigation?:

Yes ☒ No ☐

No. of acres:

5 wells serve 900 acres

Comments: \_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_

Drinking Water Users

Actual vs. EPA Estimate

Actual: 10

EPA: 1620

Set # 33  
65

PASCO SANITARY LANDFILL

Groundwater Usage Information Sheet

Owner: Story

Contact Date: 7-25-88

Phone No: 549-6326

Contact Made By: \_\_\_\_\_

Address: 1704 N. 14th

Person Contacted: Dan Story

Signed: Dan Story

Is well used for Drinking Water?: Yes [ ] No [☒]

No. of permanent people served: \_\_\_\_\_

Is well used for Irrigation?: Yes [ ] No [☒]

No. of acres: 5

Comments: \_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_

Drinking Water Users

Actual vs. EPA Estimate

Actual: -0-

EPA: 16950

Sec # 8

Sec # 21

Sec # 33

Sec # 17

## PASCO SANITARY LANDFILL

## Groundwater Usage Information Sheet

Owner: Tippetts or Columbia East Contact Date: \_\_\_\_\_Phone No: 545-3355 Contact Made By: \_\_\_\_\_Address: 1103 W. SylvesterPasco, WA 99301Person Contacted: Tim TippettsSigned: Tim TippettsIs well used for Drinking Water?: Yes [ ☒ ] No [ ☐ ]No. of permanent people served: 7.6Is well used for Irrigation?: Yes [ ☒ ] No [ ☐ ]

No. of acres: \_\_\_\_\_

Comments: \_\_\_\_\_

Sec # 8 (33) 2 residences irrigates 127 ac.

Sec # 21 (9) (50) no residences irrigates 261

Sec # 33 (64) no people irrigates 170

Sec # 17 (43) no people no irrigation

## Drinking Water Users

## Actual vs. EPA Estimate

Actual: 7.60

0.00

0.00

0.00

0.00

0.00

0.00

7.60

EPA: 240.0

402.0

412.0

742.50

195.00

1,981.5

## PASCO SANITARY LANDFILL

## Groundwater Usage Information Sheet

Owner: Burlington NorthernContact Date: July 25-26Phone No: 545-1080Contact Made By: B. DietrichAddress: 1923 W SylvesterPasco Wa 99301Person Contacted: Mr. WolfleySigned: [Signature]Is well used for Drinking Water?: Yes ☒ No ☒No. of permanent people served: 3.2Is well used for Irrigation?: Yes ☒ No ☐

No. of acres: \_\_\_\_\_

Comments: Sec #3 no people 390 acresSec #11 no people 4 circles 620 acresSec #13 1 family (3.8) 3 circles 330 acresSec #15 no people 2 circles 295 acresSec #23 no people 3 circles 280 acres  
(3 wells)Sec #24 no people no circles  
(3 wells)Sec #25 no people no circleswells 10, 11, 14, & 15 were applied for but not drilled

## Drinking Water Users

## Actual vs. EPA Estimate

Actual: 3.8EPA: 7,029.0

3 33 34 35 36

37 38 39

PASCO SANITARY LANDFILL

Groundwater Usage Information Sheet

Owner: Harold Cox

Contact Date: 7/25/88

Phone No: 545-6580

Contact Made By: E. Dietrich

Address: 980 E. Foster Wells Rd

Pasco, WA 99301

Person Contacted: Harold Cox

Signed: by phone

Is well used for Drinking Water?: Yes [ ☒ ] No [ ☐ ]

No. of permanent people served: 2 person

Is well used for Irrigation?: Yes [ ☒ ] No [ ☐ ]

No. of acres: 1250

Comments: \_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_

Drinking Water Users

Actual vs. EPA Estimate

Actual: 2

Total 2

Sec # 9 — 926.0

EPA: Sec # 10 — 662.0

Total — 1599.0

ATTACHMENT 4

FRANKLIN COUNTY PLANNING DEPARTMENT LETTER



# FRANKLIN COUNTY

## PLANNING DEPARTMENT

ROBERT H. BOOTHE, Planning Director (509) 545-3521  
1016 North Fourth, Pasco, Washington 99301

July 25, 1988

Larry Dietrich  
1040 Merry Lane  
Pasco, WA 99301

RE: Addressed Structures

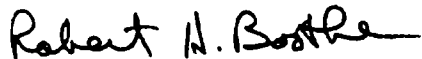
Dear Mr. Dietrich:

As per our conversation of July 22, 1988, this letter is written to verify that, based on the address maps maintained in the Franklin County Planning Department office, there are 40 addresses which have been assigned to various structures lying north of SR 12/395 in Township 9 North, Range 30 EWM, and lying outside the corporate limits of the City of Pasco.

Please be advised that these addresses have been assigned to residential, commercial and industrial structures. Some structures assigned addresses are not habitable buildings; e.g. potato sheds.

If you have any questions, please contact this office.

Sincerely,



Robert H. Boothe, Director  
Franklin County Planning Department

cc: File